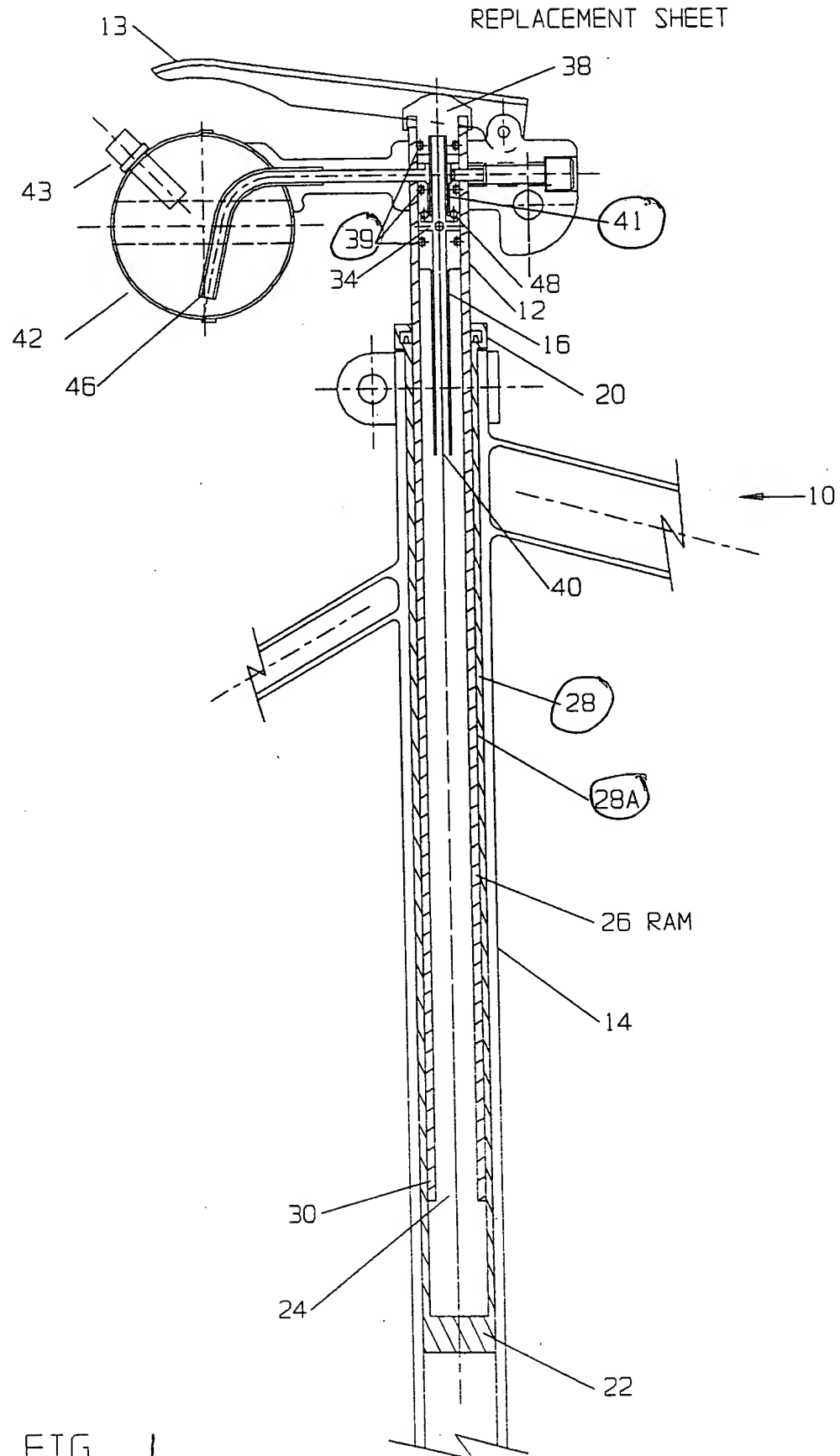
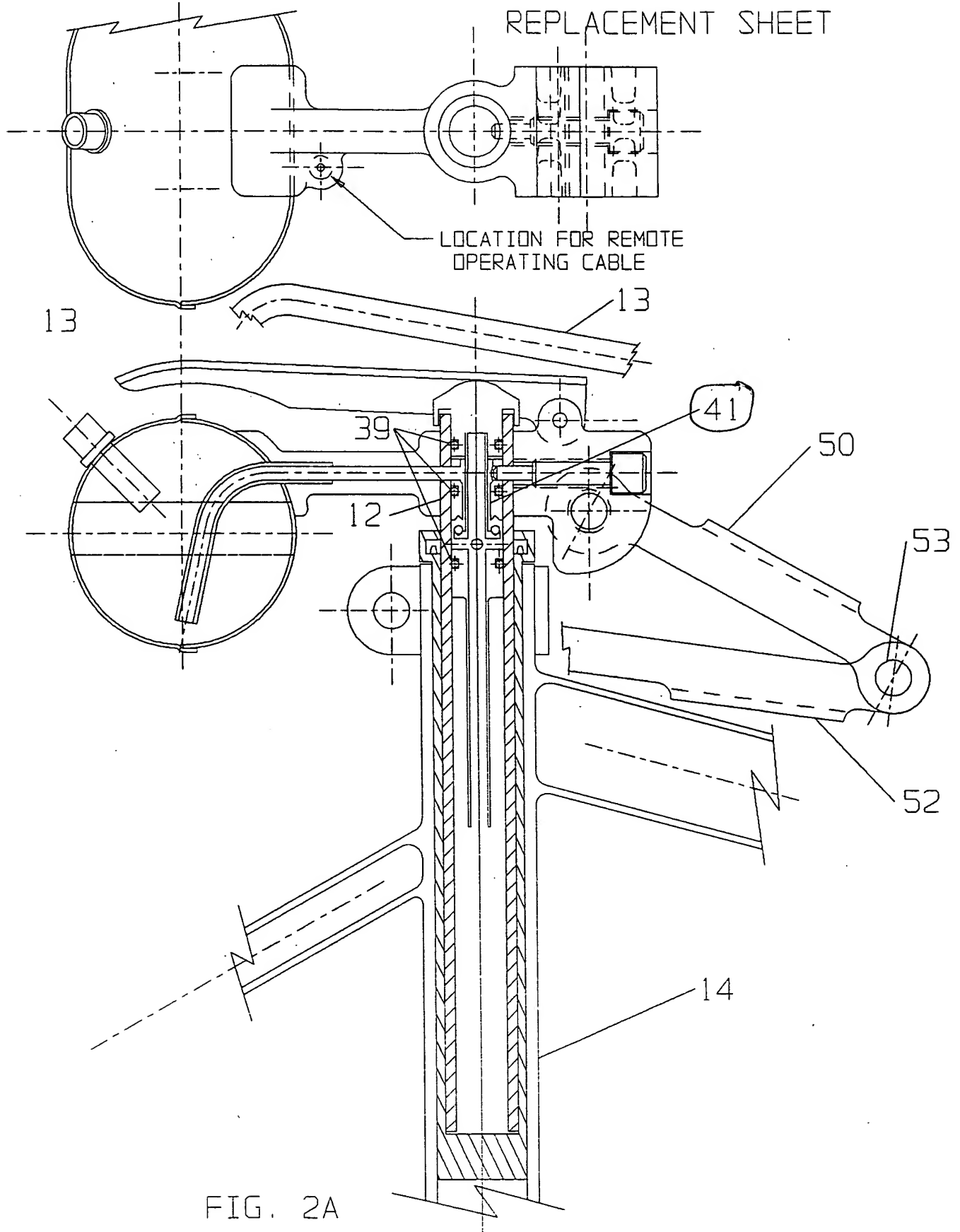


ANNOTATED  
circled number changes



ANNOTATED  
circled number change



- d. valve means associated with a fill tube ducting system connecting and in communication with the pressurized air/oil reservoir and internal bicycle frame reservoir to control the pressure and volume of air and liquid directed into the internal bicycle frame reservoir to selectively fill and adjust the height, volume, and pressure of the air and oil columns within the internal bicycle frame reservoir to form the desired air cushion within the ram to provide the desired ride cushion; ~~said pressurized air/oil reservoir including~~
- e. injection means in communication with the pressurized air/oil reservoir to vary the amount, and pressure of air and liquids contained therein,
- f. a sliding extension associated with the ram and seat such that ~~it~~ the extension may be locked to the ram to extend the seat to a desired height when the internal reservoir is filled and positioned to extend the ram to provide the desired ride cushion, and
- g. a mounting knee with one end attached to the bicycle seat post and the other end attached to the seat to limit the extension of the ram and prevent twisting of the seat.

#### REMARKS

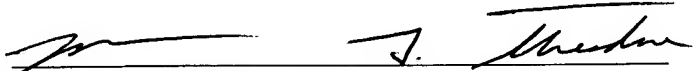
The Office Action dated 1/27/2005 has been reviewed. The foregoing Second Amendment is submitted to remove the Examiner's 35 USC Sec. 112 objections by renaming certain components to make them consistent with the substitute sheets, and avoiding the double numbering. It also provides substitute sheets of Fig. 1 and Fig. 2a to supply the additional details requested concerning the dual phase structure of the foam reducing reservoir. The foam is removed by providing sufficient foam liquid surface area contact for the air bubbles to coalesce into the liquid phase of the dual air/liquid phase reservoir, as shown in Fig. 1. For consistency, the specification and Claim 9 were amended to reflect the settling reservoir structure shown in Fig. 1.

The remaining claims were amended to incorporate the friction features of Claim 2 into Claim 1 wherein the thickness of the valve walls and size of its channels and the type of liquid are selected to provide hydraulic flow resistance to delay the response of the ram to rapid changes in the internal bicycle frame reservoir pressure to prevent abrupt extension or contraction of the ram mounted seat to shock to the rider. As this feature is not suggested or

disclosed by any of the references, Claim 1, and the remaining claims dependent thereon, should now all be allowed.

Applicant therefore respectfully requests that the above amendments be entered, and the claims passed for issuance.

Dated this 25<sup>th</sup> day of April 2005.



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#### CERTIFICATE OF MAILING

I certify that I mailed a true and correct copy of the foregoing Second Amendment to the Commissioner of Patents, Mail Stop Non-Fee Amendment, P.O. Box 1450, Alexandria, VA 22313-1450, postage prepaid this 25<sup>th</sup> day of April 2005.

